PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC SIGNAL AND THE REMOVAL OF A TEMPORARY TRAFFIC SIGNAL AT THE INTERSECTION OF MD 45 (YORK ROAD) AND WEST ROAD IN BALTIMORE COUNTY.

INTERSECTION OPERATION

A SYSTEM CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 6 NEMA PHASES. MD 45 (YORK ROAD) THROUGH MOVEMENTS SHALL OPERATE CONCURRENTLY. THE LEFT TURNS ALONG SOUTH BOUND AND NORTH BOUND MD 45 (YORK ROAD) SHALL OPERATE AS EXCLUSIVE/ PERMISSIVE PHASING. THE SIDE STREETS SHALL OPERATE AS A SPLIT PHASE.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDALL SCOTT, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (410) 321-2781 MS. SUE POPE, UTILITY ENGINEER PHONE: (410) 321-2841 MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630 MR. EDWARD RODENHIZER, SIGNAL OPERATION CHIEF PHONE: (410) 787-7650 BGE SERVICE NUMBER WMS 973519

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

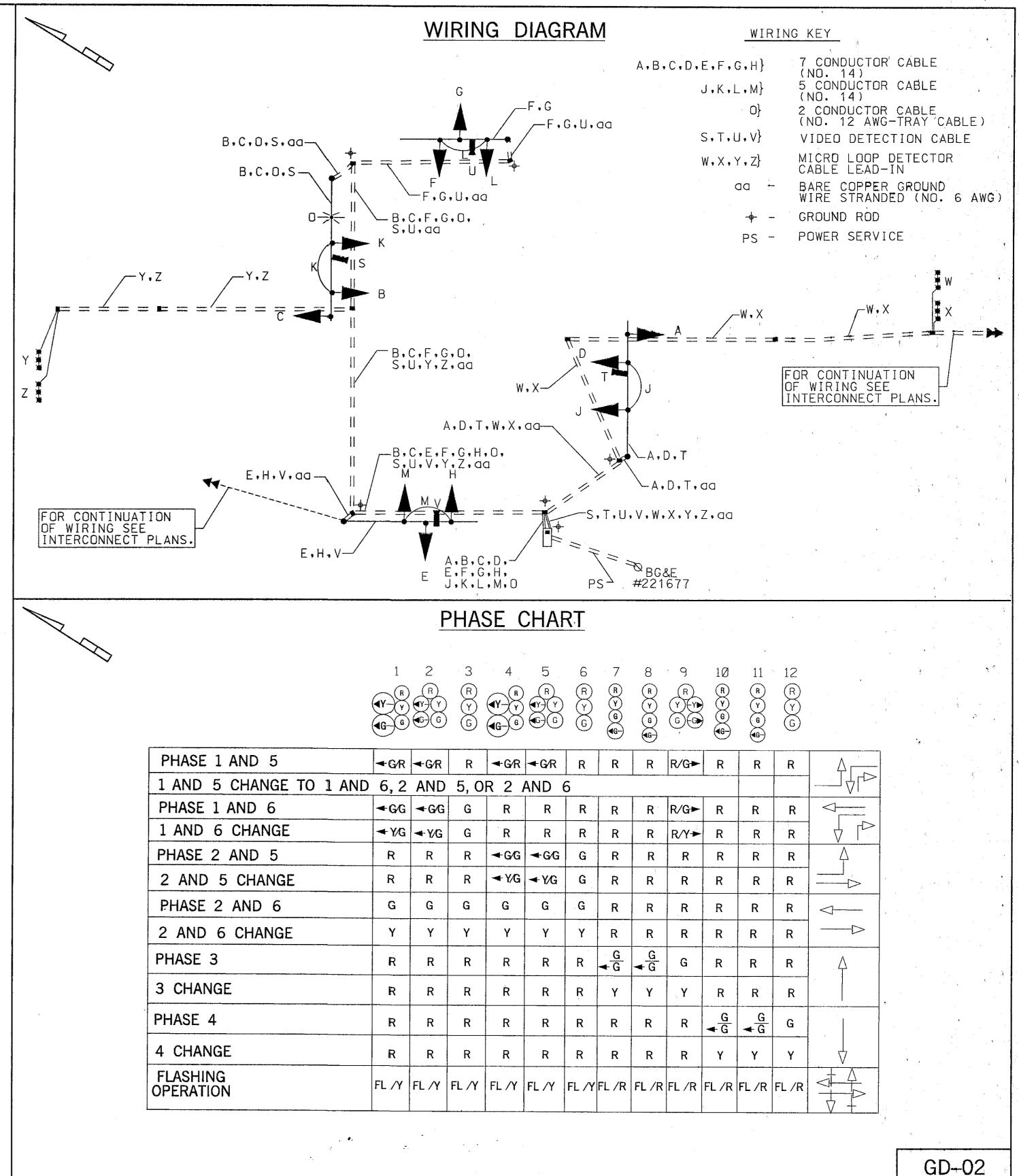
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|--------------------------------|---|----------------------------------|---|
| CATEGORY CODE NO. 900000 | DESCRIPTION BASE MOUNTED CABINET NEMA 6 WITH SYSTEM READY LOCAL CONTROLLER EQUIPMENT, VIDEO DETECTION EQUIPMENT AND RACK MOUNTED DETECTORS | UNITS EA | QUANTITY 1 |
| 973023 | SHEET ALUMINIUM SIGNS CONSISTING OF: R3-5R (30"X36") MAST ARM MOUNT R3-6 (30"X 36") MAST ARM MOUNT D3-2 (16"X VAR.") MAST MOUNT R10-12 (30"X36") MAST ARM MOUNT SHIELD ASSEMBLY (36"X75") SHIELD ASSEMBLY (24"X51") R 3-6(1) MOD (54"X30") R 3-5(2) (54"X30") | SF EA EA EA EA EA | 173 1 2 4 2 2 2 1 1 |

EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

| | | | | | • |
|----|----------------------|---|---|----------|----------|
| | CATEGORY CODE NO. | | DESCRIPTION | UNITS | QUANTITY |
| | 203030 | £ | TEST PIT EXCAVATION | CY | 5 |
| | 585620 | • | 12 INCH HEAT APPLIED WHITE PERM, PREFOR, THERMO, PAVEMENT MARKINGS | ĹF | 250 |
| | 585624 | | 24 INCH HEAT APPLIED WHITE PERM, PREFOR, THERMO, PAVEMENT MARKINGS | ĹF | 200 |
| | 800000 | | REMOVE AND DISPOSE OF EXISTING EQUIPMENT | LS | 1 |
| | 800000 | • | REMOVE AND RELOCATE VIDEO DETECTION CAMERA | EΑ | 3 |
| | 800000 | | 250 WATTS HPS LAMP AND LUMINARIE WITH PHOTOCELL | ĒΑ | 2 |
| | 801004 | | CONCRETE FOR SIGNAL FOUNDATION | CY | 20 |
| | 802501 | | NO.6 AWG STRANDED BARE COPPER GROUND WIRE | LF | 450 |
| | 805125 | | 2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED | LF | 450 |
| 2 | 805135 | : | 3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED | LF | 100 |
| | 805140 | | 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED | LF | 40 |
| | 805155 | | 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED | LF | 350 |
| | 805160 | 1 | 1 INCH LIQUID TIGHT FLEX. NON-METALLIC CONDUIT FOR DETECTOR SLEEVE | LF | 20 |
| | 807400 | | ELECTRICAL UTILITY SERVICE EQUIPMENT 120/240 VOLTS 60 AMPS | EΑ | 1 |
| | 810550 | | MICROLOOP PROBE, 500 FOOT LEAD IN CABLE | EΑ | 4 |
| | 811001 | 7 | FURNISH AND INSTALL ELECTRICAL HANDHOLE | EΑ | 10 |
| "¢ | - , , - | | INSTALL OVERHEAD SIGN | SF | 173 |
| | 816001 | | VIDEO DETECTION CAMERA | EA | 1 |
| | 816005 | | CONTROL CABLE, 250 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER | ΕA | 2 |
| | 816010 | | CONTROL CABLE, 500 FOOT, VIDEO DETECTION CAMERA TO CONTROLLER | EA | 2 |
| | 818030 | | STEEL POLE WITH A SINGLE 38 FOOT MAST ARM | EA | 1 |
| | 818036 | | STEEL POLE WITH A SINGLE 50 FOOT MAST ARM | EA | 2 |
| | 818041 | | STEEL POLE WITH A SINGLE 60 FOOT MAST ARM | ΕA | 1 |
| | 837001 | | GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH | EA | 5 |
| | 860270 | | 8 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION | EΑ | 12 |
| | 860272 | | 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION | EA | 38 |
| | 860292 | | CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE | EA | 2 |
| | 861105 | | ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) | LF | 300 |
| | 861107 | | ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) | LF | 150 |
| | 861108 862102 | | ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) | LF LF | 2000 |
| | 866103 | | SAW CUT FOR SIGNAL (LOOP DETECTOR) 15 FOOT LIGHTING ARM ON SIGNAL STRUCTURE | — - | 75 1 |
| | 871202 | | INSTALL CONTROLLER AND CABINET - BASE MOUNT | EΑ | l 1 |
| | 011202 | | INSTALL CONTROLLER AND CADINET - DASE MOUNT | EA | I |

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

> DESCRIPTION QUANTITY CONTROLLER EΑ



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION PLAN

MD 45 (YORK ROAD) AT WEST ROAD



SABRA, WANG & ASSOCIATES, INC.

1504 JOH AVENUE
SUITE 160
BALTIMORE, MD 21227 (410) 737-6564 WWW.SABRA-WANG.COM

DRAWN BY: J. WEAVER CHECKED BY: S. RENZI N.T.S. SCALE: SEPTEMBER, 2002

3384 C BA3815172 S.H.A. NO. SHEET NO. BALTIMORE COUNTY: T.I.M.S. NO. C-100 LOG MILE: 03004503.01 130 OF 167